Listing of Claims:

1. (Previously presented) A method in a machine for producing paper, board or pulp, the method comprising:

monitoring and storing properties of a roll of the machine

monitoring and storing changes taking place in the properties and ambient conditions and the changes taking place in said properties and ambient conditions

transmitting the stored changes to a control unit of the machine or to a separate data processing system,

(I) arranging in the roll, a memory unit which accompanies the roll when the roll is a functional part of the machine, in which memory unit is written and read electrically by magnetization or optically;

(ii) storing in the memory unit at least those properties of the roll which effect on a control values of the machine, said storing taking place in connection with a manufacture or servicing of the roll in question before the roll is taken for installation into the machine, or taken to be stored for later use as a functional part of the machine;

(iii) transmitting the stored changes in the memory unit to the control unit of the machine or the separate data processing system which is used for serving data to the control unit, wherein in the properties of the roll to be stored in the memory unit which accompanies the roll concerns at least one of the following: diameter of the roll, weight of the roll, deflection of a mantle of the

roll, a composition of a surface material of the mantle of the roll, surface roughness of the roll, hours of operation of the roll and operations carried out during the servicing of the roll.

2. (Previously Presented) A method as claimed in claim 1, wherein between the control unit and the separate data processing system are arranged data transmission means for transmitting data from the data processing system to the control unit and from the control unit to the data processing system.

3. (Previously Presented) A method as claimed in claim 1, wherein the roll comprises at least one sensor observing a state of the roll and its ambient conditions, which sensor is connected to the memory unit, and the data obtained from which concerning changes in the roll and its ambient conditions are stored in the memory unit in the roll in question.

4. (Previously Presented) A method as claimed in claim 1, wherein in the memory unit is continuously stored an amount of data corresponding to a certain time interval which is obtained in an essentially uninterrupted manner from at least one observing sensor.

5. (Previously Presented) A device for monitoring and storing the properties of a roll of a paper, board or pulp machine and changes taking place in said properties and the ambient conditions and the changes taking place in said properties and ambient conditions, and for

transmitting said changes to control unit of the paper, board or pulp machine or to a separate data processing system, comprising the roll, which is a functional part of the machine, is arranged a memory unit accompanying it, in which can be written and which can be read electrically, by magnetization or optically, in which memory unit are able to be stored at least those properties of the roll which effect on control values of the paper, board or pulp machine in connection with a manufacture or servicing of the roll in question before the roll is taken for installation into the paper, board or pulp machine, or taken to be stored for later use as a functional part of the machine, and that data transmission means have been arranged for transmitting the data stored in the memory unit to the control unit of the paper, board or pulp machine or the separate data processing system which is used for serving data to the control unit, wherein in the properties of the roll to be stored in the memory unit which accompanies the roll concerns at least one of the following: diameter of the roll, weight of the roll, deflection of a mantle of the roll, a composition of a surface material of the mantle of the roll, surface roughness of the roll, hours of operation of the roll and operations carried out during the servicing of the roll.

6. (Previously Presented) A device as claimed in claim 5, wherein between the control unit and the separate data processing system have been arranged data transmission means by means of which data is able to be transmitted from the data processing system to the control unit and from the control unit to the data processing system.

7. (Previously Presented) A device as claimed in claim 5, wherein in the roll has been arranged at least one sensor observing a state of the roll and its ambient conditions, which sensor is connected to the memory unit, and the data obtained from which concerning changes in the roll and its ambient conditions has been arranged to be stored in the memory unit in the roll in question.

8. Canceled

9. (Previously Presented) A device as claimed in claim 5, wherein in the memory unit can be continuously stored an amount of data, corresponding to a certain time interval, which is obtained in an essentially uninterrupted manner from at least one observing sensor.